



SPYWOLF

Security Audit Report



Completed on
June 4, 2022

MADE IN USA 

@SPYWOLFNETWORK



@SPYWOLFNETWORK



SPYWOLF.CO





OVERVIEW

This audit has been prepared for **Luna Cat** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

”

- SPYWOLF Team -





TABLE OF CONTENTS

Project Description	01
Contract Information	02
Current Stats	03-04
Featured Wallets	05
Vulnerability Check	06
Threat Levels	07
Found Threat	08
Good Practices	09
Tokenomics	10
Team Information	11
Website Analysis	12
Social Media & Online Presence	13
About SPYWOLF	14
Disclaimer	15



Luna Cat



PROJECT DESCRIPTION

According to their whitepaper:

The project is developed in the direction focusing on NFTs.

Users can earn \$LUNACat tokens by staking their NFT through the dApp directly. Users can mint NFT on the Binance Smart Chain and deposit it into the staking pool. The staking APY will depend on the rarity of the NFT that user hold.

Future developments of the project:

- NFT Marketplace

Release Date: June 02, 2022

Category: NFT



CONTRACT INFO

Contract Name
LUNACAT

Symbol
LUNACAT

Contract Address
0xe2bc9B80a73bCa557c6a7c704dd229ddFDb9EaB6

Network
Binance Smart Chain

Language
Solidity

Deployment Date
June 02, 2022

Verified?
Yes

Total Supply
250,000,000

Status
Not launched

TAXES

Buy Tax
10%

Sell Tax
10%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of June 04, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:
Not Launched!

MaxTxAmount
No limit

No additional Info

LP Address(es)

Liquidity not added yet



FEATURED WALLETS

Owner address	0x3E0b3c04784A31D75106896f65587e4A09F1fCd8
Development address	0xdabcc054797e521aa345883d8ed3f47664c412e4
LP address	Liquidity not added yet

TOP 3 UNLOCKED WALLETS

1



Same as owner



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

Medium Risk

Fees modify function

- Owner can change buy fees up to 20% and sell fees up to 45%. Combined buy+sell=65%.

```
function setrewardFees(uint256 value) external onlyOwner{
    rewardFees = value;
    totalFees = rewardFees + liquidityFee + developmentFee;
    require(totalFees <= 20, "LUNACAT: Maximum allowed fees are 20%");
}
function setLiquidityFee(uint256 value) external onlyOwner{
    liquidityFee = value;
    totalFees = rewardFees + liquidityFee + developmentFee;
    require(totalFees <= 20, "LUNACAT: Maximum allowed fees are 20%");
}
function setDevelopmentFee(uint256 value) external onlyOwner{
    developmentFee = value;
    totalFees = rewardFees + liquidityFee + developmentFee;
    require(totalFees <= 20, "LUNACAT: Maximum allowed fees are 20%");
}
function setExtraSellFee(uint256 value) external onlyOwner{
    extraSellFee = value;
    uint256 totalSellFees = rewardFees + liquidityFee + developmentFee + extraSellFee;
    require(totalSellFees <= 25, "LUNACAT: Maximum allowed fees are 25%");
}
if(takeFee) {
    require(tradingOpen, "LUNACAT: Trading is not open yet");
    uint256 fees = amount * totalFees / 100;
    if(automatedMarketMakerPairs[to]){
        fees += amount * extraSellFee / 100;
    }
    amount -= fees;
    super._transfer(from, address(this), fees);
}
```

- Recommendation:
 - Good fees modify practice is that combined buy+sell fees not exceed 25%.



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

PROJECT NAME

GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner can not set a transaction limit
- ✓ The smart contract utilizes "SafeMath" to prevent overflows

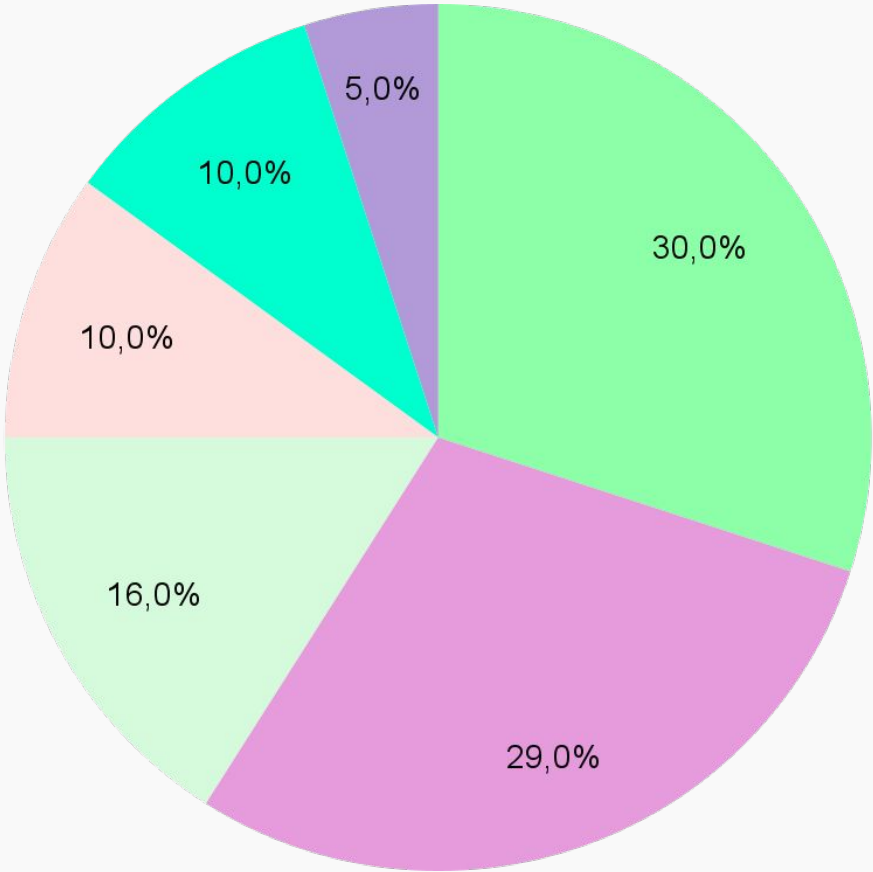


***According to their website:**

- 30% - Staking
- 29% - Presale
- 16% - Liquidity
- 10% - Burn
- 10% - Ecosystem
- 5% - Marketplace

Token Distribution

- Staking
- Presale
- Liquidity
- Burn
- Ecosystem
- Marketplace





THE TEAM

! The team is
anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





Website URL

<https://lunacat.co.uk/>

Domain Registry

<http://uk.godaddy.com>

Domain Expiration

Expires on 2024-05-31

Technical SEO Test

Passed

Security Test

No SSL available

Design

Single page design,
appropriate color scheme.

Content

Informative, no grammar
mistakes.

Whitepaper

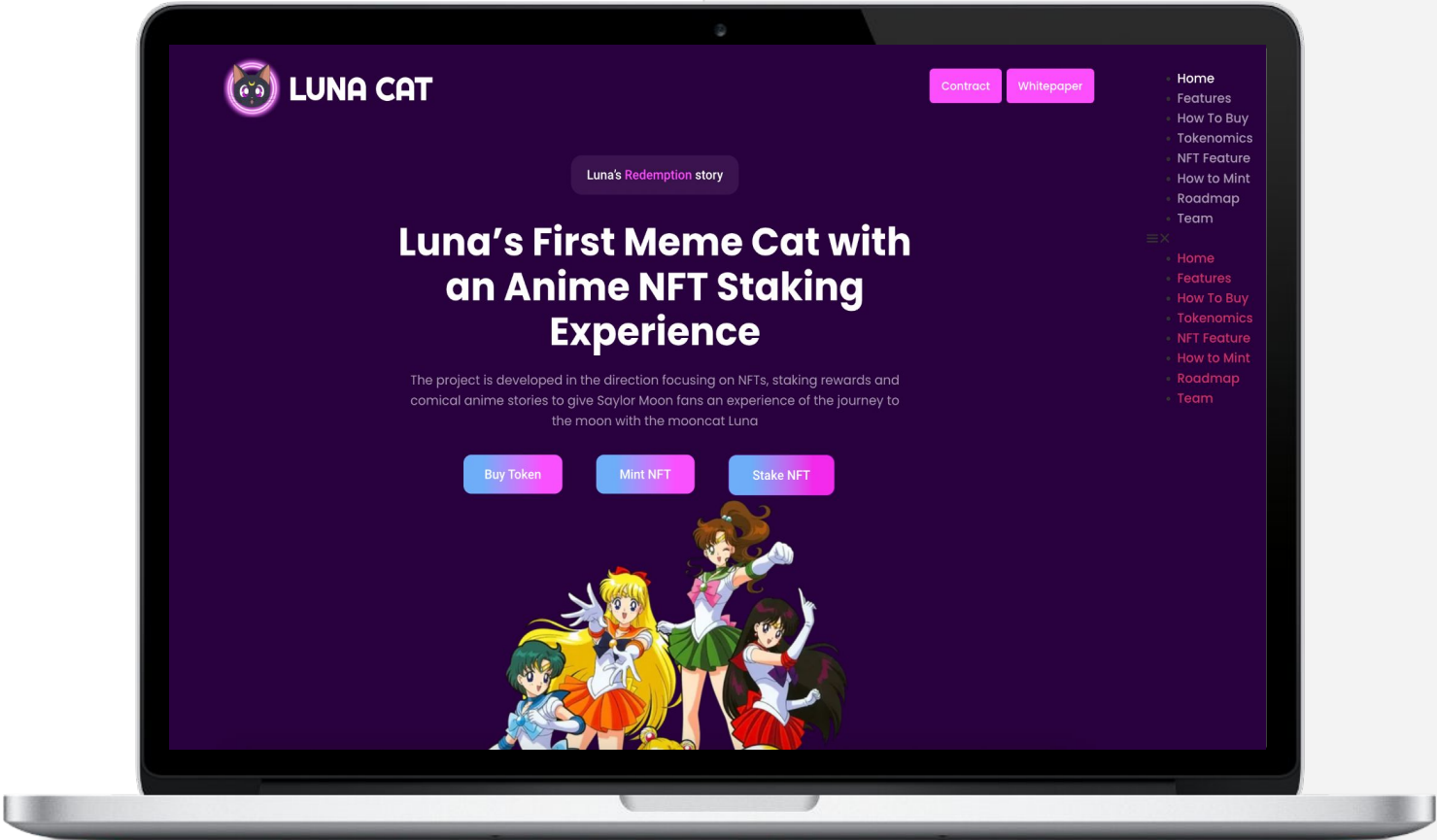
Well written, explanatory.

Roadmap

Yes, goals set at 4 phases
with time frames.

Mobile-friendly?

Yes - can be improved.



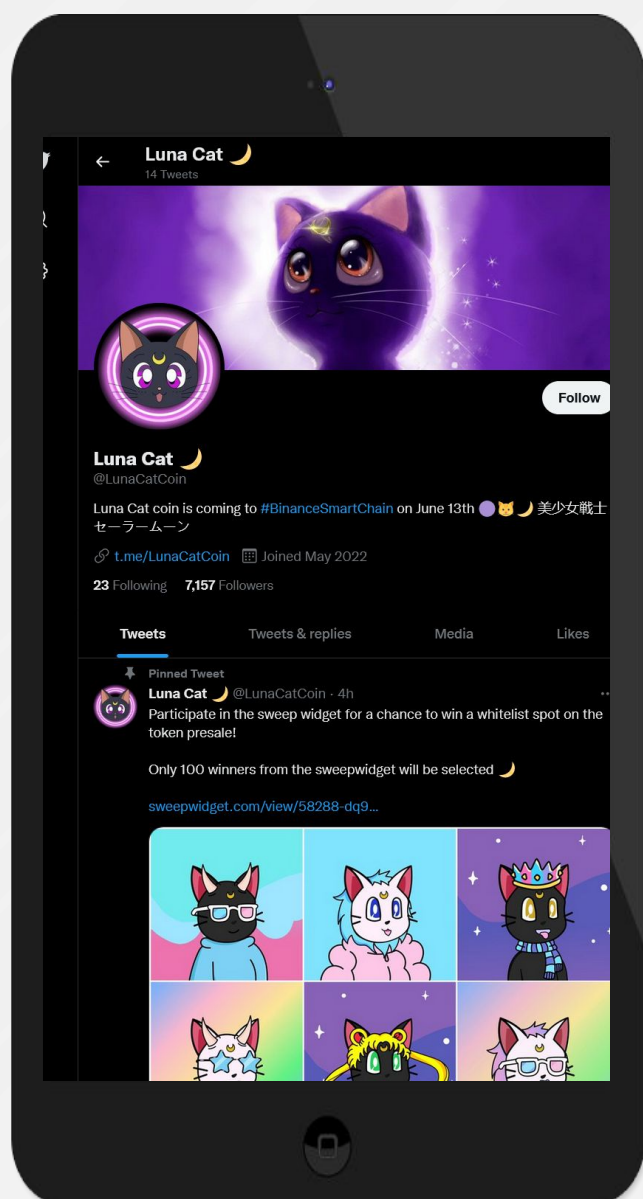


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

All social media pages are very new with only a few posts.



Twitter

<https://twitter.com/LunaCatCoin>

- ⚠️ 7 090 (Suspected FAKE followers)
- Active
- Only a few posts



Discord

<https://discord.com/invite/VajEFhktsv>

- 15 members
- Active



Telegram

<https://t.me/LunaCatCoin>

- 25 members
- Few active members
- Active mod



Medium

<https://safufide.io>

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 150 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

To hire us, reach out to
contact@spywolf.co or
t.me/joe_SpyWolf

FIND US ONLINE



[SPYWOLF.CO](https://spywolf.co)



[SPYWOLF.NETWORK](https://spywolf.network)



[@SPYWOLFNETWORK](https://t.me/SPYWOLFNETWORK)



[@SPYWOLFOFFICIAL](https://t.me/SPYWOLFOFFICIAL)



[@SPYWOLFNETWORK](https://twitter.com/SPYWOLFNETWORK)



[@SPYWOLFNETWORK](https://github.com/SPYWOLFNETWORK)



Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

DISCLAIMER:

By reading this report or any part of it, you agree to the terms of this disclaimer. If you do not agree to the terms, then please immediately cease reading this report, and delete and destroy any and all copies of this report downloaded and/or printed by you. This report is provided for information purposes only and on a non-reliance basis, and does not constitute investment advice.

No one shall have any right to rely on the report or its contents, and SpyWolf and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers and other representatives) (SpyWolf) owe no duty of care towards you or any other person, nor does SpyWolf make any warranty or representation to any person on the accuracy or completeness of the report.

The report is provided "as is", without any conditions, warranties or other terms of any kind except as set out in this disclaimer, and SpyWolf hereby excludes all representations, warranties, conditions and other terms (including, without limitation, the warranties implied by law of satisfactory quality, fitness for purpose and the use of reasonable care and skill) which, but for this clause, might have effect in relation to the report. Except and only to the extent that it is prohibited by law, SpyWolf hereby excludes all liability and responsibility, and neither you nor any other person shall have any claim against SpyWolf, for any amount or kind of loss or damage that may result to you or any other person (including without limitation, any direct, indirect, special, punitive, consequential or pure economic loss or damages, or any loss of income, profits, goodwill, data, contracts, use of money, or business interruption, and whether in delict, tort (including without limitation negligence), contract, breach of statutory duty, misrepresentation (whether innocent or negligent) or otherwise under any claim of any nature whatsoever in any jurisdiction) in any way arising from or connected with this report and the use, inability to use or the results of use of this report, and any reliance on this report. The analysis of the security is purely based on the smart contracts, website, social media and team.

No applications were reviewed for security. No product code has been reviewed.